

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0537	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0537 Lovdal	U	5.93						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.04		1.04	17.53%	0.04			
Encroachments	0.01		0.01	0.17%	0.05	0.19		
Animal Control	0.03	0.02	0.11	1.85%				
Slope Stability	0.02		0.02	0.34%				
Erosion / Bank Caving	0.01	0.01	0.05	0.84%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.17%				
Operations & Maintenance Manuals	0.06		0.06	1.01%				
Emergency Supplies & Equipment	0.06		0.06	1.01%				
Flood Preparedness & Training	0.06		0.06	1.01%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.05		0.05	0.84%				
DWR UCIP Field Study					0.07	0.01		
<i>LMA Totals:</i>	1.35	0.03	1.47	24.78%	0.16	0.20	0.00	0.00

Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0537	M *	4.74						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation					0.04			
Encroachments	0.01		0.01	0.21%	0.05	0.19		
Animal Control	0.03	0.02	0.11	2.32%				
Slope Stability	0.02		0.02	0.42%				
Erosion / Bank Caving	0.01	0.01	0.05	1.05%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.21%				
<i>Supplemental</i>								
2015 USACE Erosion Survey, DRAFT	0.05		0.05	1.05%				
DWR UCIP Field Study					0.07	0.01		
<i>Unit Totals:</i>	0.13	0.03	0.25	5.27% *	0.16	0.20	0.00	0.00

Unit No. 02 Yolo Bypass LB	Overall Unit Rating	Total Unit Miles						
RD0537	U	1.19						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.04		1.04	87.41%				
<i>Unit Totals:</i>	1.04	0.00	1.04	87.41%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Reclamation District No. 0537 Lovdal

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	4.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	04/14/2015 - 04/14/2015		10/27/2015 - 10/27/2015	
DWR Inspector	Jai Lor		Jai Lor	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start		Rating **	M	Issue No.	11
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				o
					o
DWR ID	DWR_RD0537_01_s _ 2013_11				
Action/Comments					
Inspector Comments: RD0537 was not available for confirmation of the manual during inspection.					

No Photos

LM Start		Rating **	M	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				o
					o
DWR ID	DWR_RD0537_01_s _ 2013_12				
Action/Comments					
Inspector Comments: RD0537 was not available for confirmation of supplies during inspection.					

No Photos

LM Start		Rating **	M	Issue No.	13	
LM End		Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				o	
					o	
DWR ID	DWR_RD0537_01_s _ 2013_13					
Action/Comments						
Inspector Comments: RD0537 was not available for confirmation of flood training during inspection.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start		Rating **	M	Issue No.	955
LM End		Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618334 °	38.618334 °
				-121.563318 °	-121.563318 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46806
 DS_ID:180
 EP_NO: 4656
 FS_HLM: 2.974
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Broken gate valve handle on waste pipe.
 FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Timber walkway mounted on pile structure across the berm to pump. Siphon breaker on CM pipe riser on the landward slope. Concrete pipe riser on the landward side. A waste pipe down bank. Gate valve on waste line.
 (Permit No. 4656)
 FS Date: 03/18/2013

LM Start		Rating **	M	Issue No.	955 (cont)
LM End		Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_0237.jpg



WS- main pipe and waste pipe with gate valve

Photo 2 of 3 : UCIP_FA_2015_0238.jpg



WS- main pipe and waste pipe with gate valve

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start		Rating **	M	Issue No.	955 (cont)	
LM End		Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.618334 °	38.618334	
				-121.563318 °	-121.563318	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:46806						
DS_ID:180						
EP_NO: 4656						
FS_HLM: 2.974						
Repair Type: Non-Urgent						
Crossing Status: Found						

Photo 3 of 3 : UCIP_FA_2015_0239.jpg



WS- slanted pipe and pump on timber structure.

LM Start		Rating **	M	Issue No.	956
LM End		Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643528 °	38.643528 °
				-121.583193 °	-121.583193 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46803					
DS_ID:168					
EP_NO: N/A					
FS_HLM: 0.06					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Crossing appears abandoned; if so, must be done so properly.					
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe, 3.8 FBC. Pump gone. Concrete pump pad on WS bank not found. 36-inch concrete standpipe off LS toe. 2-inch electric conduit not found (1-inch electric line found for 10-inch pipe located 50 ft upstream). Plate bolted on WW end of pipe. FBIIIP 2004 Levee Logs.					
FS Date: 04/29/2015					

Photo 1 of 3 : UCIP_FA_2015_5968.jpg



Pipe visible along WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start		Rating **	M	Issue No.	956 (cont)	
LM End		Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.643528 °	38.643528 °	
				-121.583193 °	-121.583193 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:46803 DS_ID:168 EP_NO: N/A FS_HLM: 0.06 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned; if so, must be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe, 3.8 FBC. Pump gone. Concrete pump pad on WS bank not found. 36-inch concrete standpipe off LS toe. 2-inch electric conduit not found (1-inch electric line found for 10-inch pipe located 50 ft upstream). Plate bolted on WW end of pipe. FBIIP 2004 Levee Logs. FS Date: 04/29/2015						

Photo 2 of 3 : UCIP_FA_2015_5969.jpg



View of pipe into water.

Photo 3 of 3 : UCIP_FA_2015_5970.jpg



Closeup of plates bolted to pipe on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	0.03	Rating **	N	Issue No.	22
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.643305 °	38.643305 °
				-121.583749 °	-121.583749 °
DWR ID	DWR_RD0537_01_f_2015_22				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_RD0537_173_22_20151102_00060.jpg



View of the tree stumps on the waterward side of the levee looking downstream. Fall 2015.

LM Start	0.05	Rating **	U	Issue No.	957
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46165 DS_ID:169 EP_NO: N/A FS_HLM: 0.051 Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe thru levee, 18 ft below crown (not 6.7 ft per permit drawing). Pump on WS found. Concrete collar on WS per permit drawing not found. PVC standpipe and valve enclosed by concrete standpipe off LS toe. 1-inch electric conduit thru levee, 3.8 ft below crown (not 2-inch as per LL). Permit No. 558, 1932. FPIIB 2004 Levee Log (at LM 0.04). FS Date: 03/18/2013					

Photo 1 of 3 : UCIP_FA_2015_0342.jpg



WS- an abandoned pump.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	0.05	Rating **	U	Issue No.	957 (cont)
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46165 DS_ID:169 EP_NO: N/A FS_HLM: 0.051 Repair Type: Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe thru levee, 18 ft below crown (not 6.7 ft per permit drawing). Pump on WS found. Concrete collar on WS per permit drawing not found. PVC standpipe and valve enclosed by concrete standpipe off LS toe. 1-inch electric conduit thru levee, 3.8 ft below crown (not 2-inch as per LL). Permit No. 558, 1932. FPIIB 2004 Levee Log (at LM 0.04). FS Date: 03/18/2013					

Photo 2 of 3 : UCIP_FA_2015_0343.jpg



WS- abandoned steel pipe.

Photo 3 of 3 : UCIP_FA_2015_0344.jpg



WS- visible holes on the pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	0.38	Rating **	M	Issue No.	47
LM End	0.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646457 °	38.646457 °
				-121.578663 °	-121.578663 °
DWR ID	DWR_RD0537_01_s _ 2012_47				
Action/Comments					
Firewood					

Photo 1 of 2 : FA_2015_RD0537_173_47_20151102_00035.jpg



View of the firewood pile at the toe of the levee on the landward side. Fall 2015.

LM Start	0.38	Rating **	M	Issue No.	47 (cont)
LM End	0.38	Issue Type +	En	Location *	LS

Photo 2 of 2 : FA_2015_RD0537_173_47_20151102_00036.jpg



Perspective view of more firewood at the toe of the levee on the landward side looking downstream. Fall 2015.

LM Start	0.39	Rating **	M	Issue No.	6
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646547 °	38.646547 °
				-121.578534 °	-121.578534 °
DWR ID	DWR_RD0537_01_s _ 2013_6				
Action/Comments					
Equipment					
Inspector Comments: Also building is in the easement.					

Photo 1 of 3 : FA_2015_RD0537_173_6_20150914_00006.jpg



Irrigation pipe and equipment along the levee toe. Spring 2013

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	0.39	Rating **	M	Issue No.	6 (cont)
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646547 °	38.646547 °
				-121.578534 °	-121.578534 °
DWR ID	DWR_RD0537_01_s_2013_6				
Action/Comments					
Equipment					
Inspector Comments: Also building is in the easement.					

Photo 2 of 3 : FA_2015_RD0537_173_6_20150914_00007.jpg



The equipment is still within the easement. Fall 2013

Photo 3 of 3 : FA_2015_RD0537_173_6_20150914_00008.jpg



The equipment and pipe at the levee toe. Spring 2014

LM Start	0.40	Rating **	M	Issue No.	21
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.646696 °	38.646696 °
				-121.578418 °	-121.578418 °
DWR ID	DWR_RD0537_01_f_2015_21				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_RD0537_173_21_20151102_00059.jpg



View of the slope stability on the waterward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	0.42	Rating **	M	Issue No.	18
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.646803 °	38.646803
				-121.578215 °	-121.578215
DWR ID	DWR_RD0537_01_f_2013_18				
Action/Comments					
Landscaping					

Photo 1 of 1 : FA_2015_RD0537_173_18_20150914_00015.jpg



The cactus is still growing along the levee slope. Spring 2014

LM Start	0.44	Rating **	M	Issue No.	50
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.647005 °	38.647005 °
				-121.577813 °	-121.577813 °
DWR ID	DWR_RD0537_01_s_2012_50				
Action/Comments					
Repair slope instability.					

Photo 1 of 3 : FA_2015_RD0537_173_50_20150914_00020.jpg



A closer view of the retaining wall, spring 2012.

LM Start	0.44	Rating **	M	Issue No.	50 (cont)
LM End	0.44	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : FA_2015_RD0537_173_50_20150914_00021.jpg



Concrete retaining wall broken and leaning. Slope instability, photo taken spring 2012.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	0.44	Rating **	M	Issue No.	50 (cont)	
LM End	0.44	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.647005 °		38.647005
				-121.577813 °		-121.577813
DWR ID	DWR_RD0537_01_s _ 2012_50					
Action/Comments						
Repair slope instability.						

Photo 3 of 3 : FA_2015_RD0537_173_50_20151102_00037.jpg



View of the retaining wall at the levee toe on the landward side of the levee looking downstream. The wall is partially broken. Fall 2015.

LM Start	0.59	Rating **	M	Issue No.	471
LM End	0.59	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.647462 °	38.647462 °
				-121.575348 °	-121.575348 °
DWR ID	DWR_RD0537_01_s _ 2015_471				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

Photo 1 of 1 : FA_2015_RD0537_173_471_20150914_00025.jpg



View of the crown of the levee looking downstream. Spring 2015.

LM Start	0.72	Rating **	A/W	Issue No.	954
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.647903 °	38.647903 °
				-121.573190 °	-121.573190 °
DWR ID	DWR_RD0537_01_s _ 2012_954				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: It's away from the project alignment.					

Photo 1 of 2 : FA_2015_RD0537_173_954_20151102_00039.jpg



Looking down on the erosion site towards the river. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	0.72	Rating **	A/W	Issue No.	954 (cont)
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.647903 °	38.647903 °
				-121.573190 °	-121.573190 °
DWR ID	DWR_RD0537_01_s _ 2012_954				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: It's away from the project alignment.					

Photo 2 of 2 : FA_2015_RD0537_173_954_20151102_00040.jpg



Perspective view of the erosion site at Monument Bend on the waterward side of the levee looking downstream. Fall 2015.

LM Start	1.91	Rating **	U	Issue No.	40
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.633148 °	38.633148 °
				-121.564520 °	-121.564520 °
DWR ID	DWR_RD0537_01_s _ 2012_40				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_RD0537_173_40_20151102_00043.jpg



View of the rodent holes on the landward side of the levee looking down. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	1.91	Rating **	U	Issue No.	40 (cont)	
LM End	1.91	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.633148 °		38.633148
				-121.564520 °		-121.564520
DWR ID	DWR_RD0537_01_s _ 2012_40					
Action/Comments						
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						

Photo 2 of 2 : FA_2015_RD0537_173_40_20151102_00041.jpg



View of the rodent holes on the landward side of the levee looking upstream. There are more than 2 cubic feet of material from the hole Fall 2015.

LM Start	1.99	Rating **	U	Issue No.	472
LM End	1.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.631957 °	38.631957 °
				-121.564435 °	-121.564435 °
DWR ID	DWR_RD0537_01_s _ 2015_472				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA_2015_RD0537_173_472_20151102_00044.jpg



Perspective view of the erosion on the landward side of the levee looking downstream. Fall 2015.

LM Start	1.99	Rating **	U	Issue No.	472 (cont)
LM End	1.99	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_RD0537_173_472_20151102_00045.jpg



A close up view of the erosion site. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	2.32	Rating **	M	Issue No.	20
LM End	2.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.627135 °	38.627135
				-121.563756 °	-121.563756
DWR ID	DWR_RD0537_01_f_2015_20				
Action/Comments					
Tree or limb					

Photo 1 of 1 : FA_2015_RD0537_173_20_20151102_00058.jpg



View of the fallen tree limb on the waterward side of the levee looking upstream. Fall 2015.

LM Start	2.50	Rating **	M	Issue No.	7
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.624549 °	38.624549 °
				-121.563650 °	-121.563650 °
DWR ID	DWR_RD0537_01_s_2013_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_RD0537_173_7_20151102_00046.jpg



View of the rodent hole on the landward side of the levee. Fall 2015.

LM Start	2.54	Rating **	U	Issue No.	17
LM End	2.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.623983 °	38.623983 °
				-121.563503 °	-121.563503 °
DWR ID	DWR_RD0537_01_f_2015_17				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_RD0537_173_17_20151102_00057.jpg



View of the rodent hole on the waterward side of the levee looking upstream. There are more than 2 cubic feet of material next to the hole. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	2.62	Rating **	C	Issue No.	10
LM End	2.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.622883 °	38.622883 °
				-121.563512 °	-121.563512 °
DWR ID	DWR_RD0537_01_s_2013_10				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.72	Rating **	M	Issue No.	958
LM End	2.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46035 DS_ID:178 EP_NO: N/A FS_HLM: 2.756 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wasted pipe and valve not visible due to vegetation. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Slant pump column on the waterward bank. Timber walkway (not found) mounted on pile structure across the berm. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch wasted pipe down bank, gate valve on waste line. A 2" electrical conduit through the levee. FS Date: 03/18/2013					

Photo 1 of 3 : UCIP_FA_2015_0205.jpg



LS- siphon breaker in pvc pipe riser.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	2.72	Rating **	M	Issue No.	958 (cont)
LM End	2.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46035
 DS_ID:178
 EP_NO: N/A
 FS_HLM: 2.756
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Wasted pipe and valve not visible due to vegetation.
 FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Slant pump column on the waterward bank. Timber walkway (not found) mounted on pile structure across the berm. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch wasted pipe down bank, gate valve on waste line. A 2" electrical conduit through the levee.
 FS Date: 03/18/2013

LM Start	2.72	Rating **	M	Issue No.	958 (cont)
LM End	2.72	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_0206.jpg



WS- closer view of pump, pipe and steel structure.

Photo 3 of 3 : UCIP_FA_2015_0207.jpg



WS- overview of pump, pipe and steel structure structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	2.84	Rating **	M	Issue No.	959
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.619674 °	38.619674 °
				-121.563330 °	-121.563330 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46037 DS_ID:179 EP_NO: N/A FS_HLM: 2.88 Repair Type: Non-Urgent Crossing Status: Found					

LM Start	2.84	Rating **	M	Issue No.	959 (cont)
LM End	2.84	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_0208.jpg



WS- steel walkway on pile structure.

Photo 2 of 3 : UCIP_FA_2015_0209.jpg



WS- slanted pump and pipe on steel structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	2.84	Rating **	M	Issue No.	959 (cont)
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.619674 °	38.619674 °
				-121.563330 °	-121.563330 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46037					
DS_ID:179					
EP_NO: N/A					
FS_HLM: 2.88					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0210.jpg



WS- overview of slanted pump on steel structure.

LM Start	2.89	Rating **	M	Issue No.	3
LM End	2.92	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.618926 °	38.618490 °
				-121.563374 °	-121.563382 °
DWR ID	DWR_RD0537_01_s_2015_3				
Action/Comments					
Landscaping					
Inspector Comments: Arundo starting to creep up levee slope.					

Photo 1 of 1 : FA_2015_RD0537_173_3_20151102_00047.jpg



View of the arundo at the levee toe on the landward side of the levee looking upstream. Fall 2015.

LM Start	3.06	Rating **	M	Issue No.	264
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.616504 °	38.616504 °
				-121.563270 °	-121.563270 °
DWR ID	DWR_RD0537_01_s_2014_264				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: The previous erosions from Spring 2014 are corrected, however, there is erosion under the gangway.					

Photo 1 of 3 : FA_2015_RD0537_173_264_20150914_00023.jpg



Erosion cut 20 feet from the other one. Erosion 2-3 feet deep. Spring 2014

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	3.06	Rating **	M	Issue No.	264 (cont)
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.616504 °	38.616504 °
				-121.563270 °	-121.563270 °
DWR ID	DWR_RD0537_01_s_2014_264				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: The previous erosions from Spring 2014 are corrected, however, there is erosion under the gangway.					

Photo 2 of 3 : FA_2015_RD0537_173_264_20150914_00024.jpg



Erosion cut in levee slope 2-3 feet deep. Spring 2014

LM Start	3.06	Rating **	M	Issue No.	264 (cont)
LM End	3.06	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2015_RD0537_173_264_20151102_00056.jpg



There is erosion under the gangway on the waterward side of the levee looking downstream. Fall 2015.

LM Start	3.06	Rating **	M	Issue No.	960
LM End	3.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.616413 °	38.616413 °
				-121.563205 °	-121.563205 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46041					
DS_ID:181					
EP_NO: N/A					
FS_HLM: 3.109					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 1 of 3 : UCIP_FA_2015_0358.jpg



WS- slanted pipe and waste pipe gate valve

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	3.06	Rating **	M	Issue No.	960 (cont)
LM End	3.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.616413 °	38.616413 °
				-121.563205 °	-121.563205 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46041
 DS_ID:181
 EP_NO: N/A
 FS_HLM: 3.109
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Obstructed siphon breaker.
 FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Timber walkway mounted on pile structure across the berm to pump. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch waste pipe down bank, gate valve on waste line.
 FS Date: 03/18/2013

LM Start	3.06	Rating **	M	Issue No.	960 (cont)
LM End	3.06	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0359.jpg



WS- covered slanted pump on timber platform.

Photo 3 of 3 : UCIP_FA_2015_0360.jpg



WS- overview of slanted pipe and pump on steel pile structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	3.42	Rating **	M	Issue No.	9
LM End	3.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.611320 °	38.611320 °
				-121.562059 °	-121.562059 °
DWR ID	DWR_RD0537_01_f_2015_9				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_RD0537_173_9_20151102_00048.jpg



View of the prunings at the levee toe on the landward side of the levee. Fall 2015.

LM Start	3.51	Rating **	M	Issue No.	14
LM End	3.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.610128 °	38.610128 °
				-121.561300 °	-121.561300 °
DWR ID	DWR_RD0537_01_f_2015_14				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_RD0537_173_14_20151102_00049.jpg



View of concrete debris and a utility pole on the landward side of the levee. Fall 2015.

LM Start	3.63	Rating **	M	Issue No.	15
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.608656 °	38.608656 °
				-121.560333 °	-121.560333 °
DWR ID	DWR_RD0537_01_f_2015_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 3 : FA_2015_RD0537_173_15_20151102_00050.jpg



View of the rodent hole on the landward side of the levee looking downstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	3.63	Rating **	M	Issue No.	15 (cont)
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.608656 °	38.608656 °
				-121.560333 °	-121.560333 °
DWR ID	DWR_RD0537_01_f_2015_15				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 2 of 3 : FA_2015_RD0537_173_15_20151102_00052.jpg



More rodent holes a little further upstream. Fall 2015.

LM Start	3.63	Rating **	M	Issue No.	15 (cont)
LM End	3.63	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2015_RD0537_173_15_20151102_00051.jpg



There is a rodent hole under the pipe spill way. Fall 2015.

LM Start	4.12	Rating **	U	Issue No.	8
LM End	4.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602763 °	38.600690 °
				-121.555458 °	-121.553187 °
DWR ID	DWR_RD0537_01_s_2012_8				
Action/Comments					
Building					

Photo 1 of 2 : FA_2015_RD0537_173_8_20150914_00012.jpg



Abandoned building and fence on the levee crown. Spring 2013

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	4.12	Rating **	U	Issue No.	8 (cont)
LM End	4.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602763 °	38.600690 °
				-121.555458 °	-121.553187 °
DWR ID	DWR_RD0537_01_s_2012_8				
Action/Comments					
Building					

Photo 2 of 2 : FA_2015_RD0537_173_8_20150914_00013.jpg



Building and old equipment within the fenced compound. Spring 2014

LM Start	4.24	Rating **	M	Issue No.	961
LM End	4.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.601384 °	38.601384 °
				-121.554099 °	-121.554099 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45026 DS_ID:171 EP_NO: N/A FS_HLM: 4.3 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch pipe off WS slope on concrete platform. FS Date: 04/28/2015					

Photo 1 of 3 : UCIP_FA_2015_0267.jpg



No access through gate. Area behind gated area along WS slope accessible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	4.24	Rating **	M	Issue No.	961 (cont)	
LM End	4.24	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.601384 °	38.601384 °	
				-121.554099 °	-121.554099 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:45026						
DS_ID:171						
EP_NO: N/A						
FS_HLM: 4.3						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 12-inch pipe off WS slope on concrete platform.						
FS Date: 04/28/2015						

LM Start	4.24	Rating **	M	Issue No.	961 (cont)
LM End	4.24	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_0268.jpg



Riparian Lands Trust- no access through gate.

Photo 3 of 3 : UCIP_FA_2015_5790.jpg



12" pipe along WS slope resting on possible remnant of pump house.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	4.27	Rating **	M	Issue No.	1
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.601388 °	38.600907 °
				-121.553250 °	-121.552815 °
DWR ID					
Action/Comments					
Inspector Comments: 1997 - This may have been a cobble rehabilitation site to the 1957 cobble that was place all the way to the I-80 Bridge. 2000 - Local damage induced by human use. 2003 - Site is still very close to the levee and into the levee toe. 2011 - One new tree has fallen. 2015: 62.9 and 63.0 have been combined into one site. [2015 Site ID: SAC_62-9_R]					

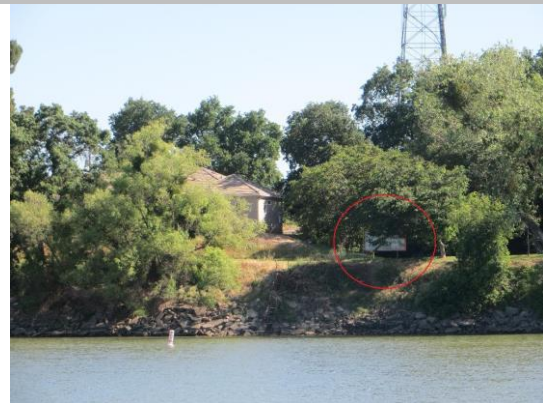
Photo 1 of 1 : USACE2013A_SAC_62-9_R_1.jpg



USACE 2013 Photo #1

LM Start	4.35	Rating **	M	Issue No.	962
LM End	4.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600310 °	38.600310 °
				-121.552816 °	-121.552816 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45024 DS_ID:235 EP_NO: 17993 FS_HLM: 4.401 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need signs on WS slope for all gas lines in area. FIELD_STRUCT_DESC: To install a 20-inch-diameter natural gas pipeline (bored) under the channel and levees of the Sacramento River. Sign on opposite bank. Sign off LS toe on other side of railroad tracks at base of tower. Application No. 17993, 2006. FS Date: 04/28/2015					

Photo 1 of 3 : UCIP_FA_2015_6263.jpg



Red circle shows location of sign on opposite bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	4.35	Rating **	M	Issue No.	962 (cont)	
LM End	4.35	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.600310 °		38.600310 °
				-121.552816 °		-121.552816 °
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:45024 DS_ID:235 EP_NO: 17993 FS_HLM: 4.401 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need signs on WS slope for all gas lines in area. FIELD_STRUCT_DESC: To install a 20-inch-diameter natural gas pipeline (bored) under the channel and levees of the Sacramento River. Sign on opposite bank. Sign off LS toe on other side of railroad tracks at base of tower. Application No. 17993, 2006. FS Date: 04/28/2015						

LM Start	4.35	Rating **	M	Issue No.	962 (cont)
LM End	4.35	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_6264.jpg



Closeup of PGE "Gas Pipeline Crossing" sign on opposite bank.

Photo 3 of 3 : UCIP_FA_2015_6265.jpg



Marker off LS toe at base of tower at opposite side of RR tracks.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	10/27/2015 10/27/2015	Jai Lor

LM Start	4.53	Rating **	M	Issue No.	475
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.598205 °	38.598205 °
				-121.550675 °	-121.550675 °
DWR ID	DWR_RD0537_01_s _ 2015_475				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_RD0537_173_475_20151102_00053.jpg



View of the rodent hole on the landward side of the levee looking downstream. Fall 2015.

LM Start	4.56	Rating **	M	Issue No.	16
LM End	4.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.597959 °	38.597959 °
				-121.550311 °	-121.550311 °
DWR ID	DWR_RD0537_01_f _ 2015_16				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_RD0537_173_16_20151102_00054.jpg



View of debris and rocks on the landward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Left	1.19
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	04/14/2015 - 04/14/2015		10/28/2015 - 10/28/2015	
DWR Inspector	Jai Lor		Jai Lor	
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	10/28/2015 10/28/2015	Jai Lor

LM Start	0.07	Rating **	M	Issue No.	2
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.596419 °	38.582737 °
				-121.576858 °	-121.568918 °
DWR ID	DWR_RD0537_02_f_2015_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_RD0537_174_2_20151103_00004.jpg



View of the vegetation on the landward side of the levee looking upstream. Fall 2015.

LM Start	0.22	Rating **	A/W	Issue No.	4
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.594447 °	38.582330 °
				-121.575755 °	-121.567938 °
DWR ID	DWR_RD0537_02_f _ 2013_4				
Action/Comments					
Trees / Woody Vegetation					
Inspector Comments: Trees along the toe of the waterside levee at the bottom of the rip rap.					

Photo 1 of 4 : FA_2015_RD0537_174_4_20150914_00001.jpg



Trees are at the toe of the waterside levee. Sandbar Willows are creeping up the slope. Fall 2013

LM Start	0.22	Rating **	A/W	Issue No.	4 (cont)
LM End	1.17	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA_2015_RD0537_174_4_20150914_00002.jpg



Levee mile 0.00, vegetation at the toe of the levee. Fall 2014.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	10/28/2015 10/28/2015	Jai Lor

LM Start	0.22	Rating **	A/W	Issue No.	4 (cont)	
LM End	1.17	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.594447 °		38.582330 °
				-121.575755 °		-121.567938 °
DWR ID	DWR_RD0537_02_f_2013_4					
Action/Comments						
Trees / Woody Vegetation						
Inspector Comments: Trees along the toe of the waterside levee at the bottom of the rip rap.						

Photo 3 of 4 : FA_2015_RD0537_174_4_20150914_00003.jpg



Photo of the willows at the toe of the rip rap and levee. No other trees in the rip rap. Spring 2014

LM Start	0.22	Rating **	A/W	Issue No.	4 (cont)
LM End	1.17	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2015_RD0537_174_4_20151103_00005.jpg



View of the willows at the toe of the waterward side of the levee looking upstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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